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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Appln. Of:

FERRAND et al.

Serial No.:

09/582,256

Filed:

June 22, 2000

For:

PASSIVE Q-SWITCHED MICROLASER WITH CONTROLLED...

Group:

2828

Examiner:

JEFFREY N. ZAHN

DOCKET: Brev 12923

Assistant Commissioner of Patents & Trademarks Washington, D.C. 20231

## AMENDMENT B UNDER RULE 116

Dear Sir:

This Amendment is being filed in response to the Final Action mailed December 18,

2002.

FAX RECEIVED

Please amend the Application as follows:

MAR 1 7 2003

IN THE CLAIMS:

**TECHNOLOGY CENTER 2800** 

Please amend claims 17 and 31 to read as follows:

17. (Twice Amended) A laser cavity comprising:

a substrate made of a doped or undoped active laser material Y<sub>3</sub>A1<sub>5</sub>O<sub>12</sub> (YAG) on which a monocrystalline layer of saturable absorbent material made of doped YAG is deposited directly by liquid phase epitaxy, in which said active laser material has a [100] orientation, and said monocrystalline layer of saturable absorbent material is deposited with the same [100] orientation;

an entry mirror deposited directly on the active laser material substrate; and an exit mirror deposited on the monocrystalline layer of saturable absorbent material;

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